

2024 ITP Needs Assessment Posted

The 2024 Integrated Transmission Planning (ITP) Assessment Detailed Project Proposal (DPP) Transmission Planning Response Window (“DPP Window”) opens at 12:00 a.m. CDT (midnight) February 16, 2024, and will remain open until March 16, 2024 at 11:59 p.m. CDT.

2024 ITP DPP Window Information

All DPP and non-DPP stakeholder submittals must be received by **11:59 p.m. CDT on Saturday March 16, 2023**, to meet assessment timelines. Non-DPP submittals may include, but are not limited to, operating guides, model corrections, and Order 890 solutions (such as submittal for company-specific local planning criteria). Any submittals received after the end date is not guaranteed to be evaluated in the 2024 ITP Assessment.

Please use the [updated DPP Submittal Form](#) for sending in **all** solution submittals, including non-DPP and Order 890 solutions.

2024 ITP Needs Assessment Information

In the 2024 ITP assessment, SPP conducts economic, public policy, operational, reliability and short circuit analysis, as detailed in Section 4 of the [ITP Manual](#), which results in a comprehensive list of needs being posted for SPP stakeholders. Additionally, in the 2024 ITP Assessment SPP conducts an Extreme Winter Weather Analysis, as detailed in the [2024 ITP Scope](#).

The DPP Submittal Form updates and other Needs Assessment information is included in the **2024 ITP Needs Assessment Posting Information** document posted along with the needs assessment. Topics in that document are itemized below:

- *General Information*
 - *DPP Submittal Form Updates*
 - *SPP Evaluation of Model Changes Not Included in the Approved Model Set*
 - *Short Circuit Needs*
 - *Local Planning Criteria Violations*
 - *Informational Needs*
 - *Seams Considerations*
- *2024 ITP Staff Solution Development*
 - *SPP Staff Standard Impedance Solution Development Information*
 - *SPP Staff Solution Data*
 - *Facility Ratings*
 - *Conceptual Cost Estimates*
- *2024 ITP Needs Assessment Information*
 - *2024 ITP Winter Weather Models and Target Area*
 - *Economic Model Congestion and Overlap with Base Reliability (BR) Needs*
 - *Area Specific Information*
 - *Economic Event File Updates*

- *Alternate Event File for Project Screening*
- *Joint Targeted Interconnection Queue Information*
- *Auxiliary File Update*
- *Persistent Operational Need Update*
- *2023 MPM Needs Assessment Update*

[File locations on GlobalScape](#)

Material Disclaimer

CONTAINS CONFIDENTIAL AND PROTECTED MATERIAL NOT AVAILABLE TO COMPETITIVE DUTY PERSONNEL – DO NOT RELEASE

Needs Assessment Documents

The 2024 ITP Needs Assessment document can be found on [GlobalScape](#) under *ITP → ITP → NCD (CEII, RSD) → NDA → 2024 ITP → 2024 ITP Needs Assessment*

File Name	Description
2024 ITP Needs Assessment.xlsx	Needs assessment document including all needs, violations, and supplemental information
Solve idevs.zip	ACCC load flow parameters
SPS_data.zip	Idev files, XML files, and an event file edit instruction text file regarding the SPS resource addition. Please reference the “Area Specific Information” section of the Needs Assessment Posting Information Document for more information regarding these files.
Event Files	This folder contains both the E024 and E025 event files to be used in the 2024 ITP. Please reference both the “Economic Event File Updates” and “Alternate Event File for Project Screening” sections of the Needs Assessment Posting Information Document for more information regarding the posted event files.

Final Models Information

The models utilized for this 2024 ITP needs assessment are posted on GlobalScape using the file paths listed below:

- Base Reliability Powerflow Models
 - *ITP → ITP → NCD (CEII, RSD) → NDA → 2024 ITP → Powerflow Models → **Approved Final***
- Market Economic Models (MEM)
 - *ITP → ITP → NCD (CEII, RSD) → License_NDA_JointSPPMISO → 2024 ITP → **2024_ITP_MEM_Final_Pass_Update.zip***

- Short-Circuit Models
 - Compliance and Advanced Studies (CEII, RSD) → CAS (Global Access) → East → TPL-001 → 2024 → 1_Models → 2_Short_Circuit → **2024ITP-IF-25S-MC_MAX_FAULT_v2.sav**
- Winter Weather Models
 - Generic Extreme Winter Weather
 - ITP → ITP → NCD (CEII, RSD) → NDA → 2024 ITP → Powerflow Models → Extreme Winter Weather → **Extreme Winter Weather Final**
 - Elliot Models
 - ITP → ITP → NCD (CEII, RSD) → NDA → 2024 ITP → Powerflow Models → Extreme Winter Weather → **2024ITPElliotModel_22W_V35_solved**
 - ITP → ITP → NCD (CEII, RSD) → NDA → 2024 ITP → Powerflow Models → Extreme Winter Weather → **2024ITPElliotModel_28W_V35_SCRD_solved**

As a reminder, instructions for requesting access to the model information can be found on the SPP website [here](#).

Auxiliary Files: SUB/MON/CON/INVALID CON Data

The auxiliary files utilized for the 2024 ITP Assessment can be found on [GlobalScape](#) under ITP → ITP → NCD (CEII, RSD) → NDA → 2024 ITP → **AUX Files**

File Name	Description
AUX Files	Folder containing auxiliary files, which are the subsystem file, base case monitored elements file, monitored elements file, contingency files (member-submitted contingencies)
BR_Contingency_Files.zip	Contingency files for the Base Reliability models
BR_P3_Contingency_Files.zip*	P3 contingency files for the Base Reliability models
WW_Contingency_Files.zip	Contingency files for the Extreme Winter Weather Models (Elliot and Generic cases)
Invalid Contingencies 2024 ITP.xlsx	Invalid contingencies file

***Note:** PSS®E version 34.7 has a 12-character upper limit for contingency labels, and several of the contingencies in the contingency files have labels that exceed 12 characters. These P3 event files contain the individual elements that were paired together to make the complete P3 event. Completed P3 events that were associated with a need will be posted in the needs assessment.

Needs associated with contingencies listed in the invalid contingency file (*InvalidContingency_2024_ITP.csv*) are included in this posting to ensure any actual valid contingency listed as invalid was posted for consideration. If you observe contingencies that are incorrectly considered valid or invalid in the posted needs assessment, please submit an [SPP Request Management System \(RMS\)](#) ticket indicating the reason why the contingency should be reclassified as valid or invalid. Needs associated with invalid contingencies will be invalidated.

Description	Deadline
DPP/non-DPP Transmission Planning Response Window	March 16, 2024, 11:59 PM CDT

Helpful Links and Access

If you do not already have access to these documents in [GlobalScape](#), see the instructions for [confidentiality agreements](#) and submit the appropriate form via [RMS](#) using "Initiate a System Access Action" **Request Template**, "Globalscape File Sharing" **Subtype 1**, "Add User" **Subtype 2** and "SPPDocushare / Engineering / TCR Models" **Subtype 3**. [GlobalScape](#) frequently asked questions can be found in [Knowledgebase Article 686](#). Other helpful links can be found on [SPP.org](#).